

WISCONSIN DNR FISHERIES INFORMATION SHEET

LAKE: STELLA LAKE

COUNTY: ONEIDA

YEAR: 2010

The Department of Natural Resources surveyed Stella Lake, Oneida County in spring of 2010. Six nets were set targeting muskellunge during April 11-17 and a boomshocker targeted bass and panfish surveyed the entire shoreline on April 19, 2010. All gamefish were measured after the first day of netting, and all species were measured during two, 0.5-mile electrofishing stations on April 19. Stella is a soft water drainage lake with a surface area of 404 acres, 4.4 miles of shoreline and a maximum depth of 22 feet.

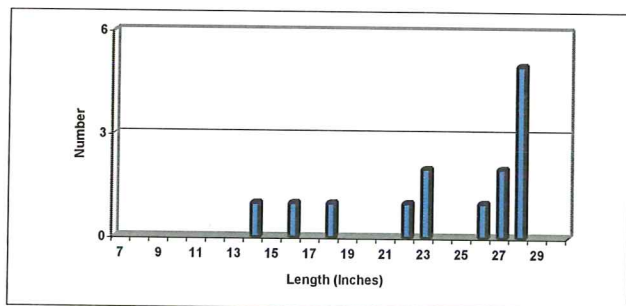


Figure 1. Length frequency distribution of walleye captured during a survey of Stella Lake, Oneida County during April 11-19, 2010.

Largemouth bass

Largemouth bass were the most abundant gamefish species in our catch, with 53 captured in nets and 158 captured during shocking. Largemouth ranged from 8.0 to 19.4 inches in length.

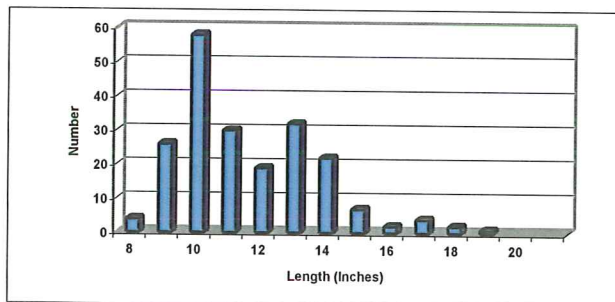


Figure 2. Length frequency distribution of largemouth bass captured during a survey of Stella Lake, Oneida County during April 11-19, 2010.

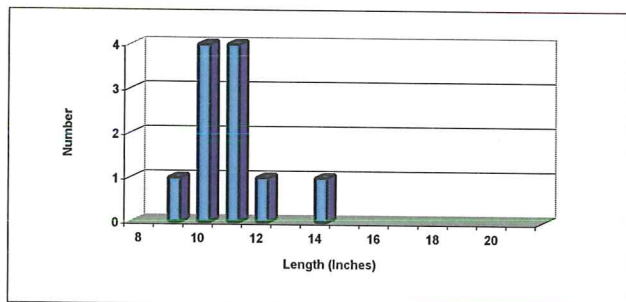


Figure 3. Length frequency distribution of smallmouth bass captured during a survey of Stella Lake, Oneida County during April 11-19, 2010..

Northern pike

We captured 66 northern pike, 44 in nets and 22 shocking. Pike ranged from 7.5 to 26.9 inches in length. Pike catch is usually best at cooler temperatures right after ice-out, while surface water temperatures ranged 50 to 58 F during this survey.

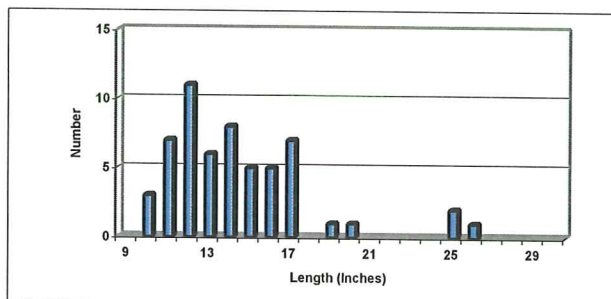


Figure 4. Length frequency distribution of northern pike captured during a survey of Stella Lake, Oneida County during April 11-19, 2010.

Muskellunge

All muskellunge were marked by clipping half of the right-ventral fin. We captured 10 muskellunge netting and 3 shocking, but 2 of the fish were recaptures of fish previously marked. The largest fish was a 49.2 inch female. The low catch and large size indicates minimal natural reproduction after the last stocking in 1999.

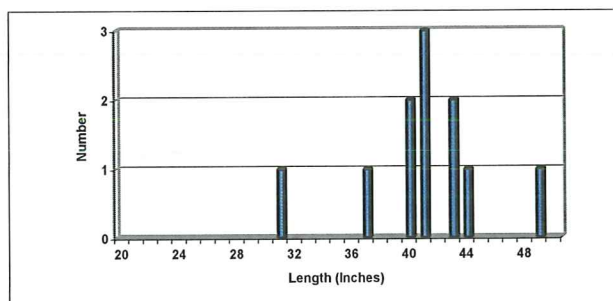


Figure 5. Length frequency distribution of muskellunge captured during a survey of Stella Lake, Oneida County during April 11-19, 2010.

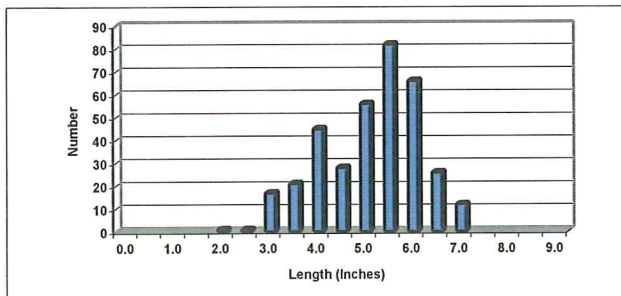


Figure 6. Length frequency distribution of 355 bluegill captured during a survey of Stella Lake, Oneida County on April 19, 2010.

Black Crappie

We captured 794 black crappie netting and 101 shocking, ranging from 5.0 to 9.5 inches. Peak abundance was at 7.0 inches.

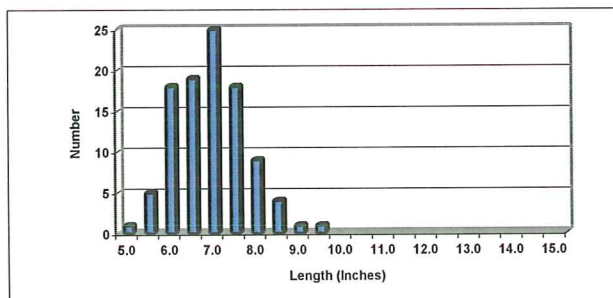


Figure 6. Length frequency distribution of 101 black crappie captured during a survey of Stella Lake, Oneida County on April 19, 2010.

Other Species

We captured 17 species of fish in Stella Lake. In addition to the species listed above, we caught 22 pumpkinseed, 48 rock bass, 62 yellow bullhead, 28 yellow perch and 154 bluegill x pumpkinseed hybrids. Non-game species include 4 white sucker, 5 golden shiner, 1 bluntnose minnow, 1 mottled sculpin, and 1 Iowa darter.

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